

CLAIMS

1. DNA molecule that codes for a protein of the TGF- β family and which comprises
 - (a) the part coding for the mature protein and if desired further functional parts of the nucleotide sequence shown in SEQ ID NO. 1,
 - (b) a nucleotide sequence corresponding to the sequence from (a) within the scope of the degeneracy of the genetic code,
 - (c) a nucleotide sequence corresponding to an allelic derivative of one of the sequences from (a) and (b), or
 - (d) a nucleotide sequence hybridizing with one of the sequences from (a), (b) or (c)provided that a DNA molecule according to (d) completely contains at least the part coding for a mature protein of the TGF- β family.
2. Vector,
w h e r e i n
it contains at least one copy of a DNA molecule as claimed in claim 1.
3. Host cell,
w h e r e i n
it is transformed by a DNA as claimed in claim 1 or by a vector as claimed in claim 2.

4. Host cell as claimed in claim 3,
w h e r e i n
it is a bacterium, a fungus, a plant or an animal
cell.
5. Protein of the TGF- β family which is coded by a DNA
sequence as claimed in claim 1.
5. Protein as claimed in claim 5,
w h e r e i n
it has the amino acid sequence shown in SEQ ID
NO. 2 or, if desired, functional parts thereof.
7. Process for the production of a protein of the
TGF- β family,
w h e r e i n
a host cell as claimed in claim 3 or 4 is cultured
and the TGF- β protein is isolated from the cell
or/and from the culture supernatant.
8. Pharmaceutical composition,
w h e r e i n
it contains at least one protein as claimed in
claim 5 or 6 as the active substance if desired,
together with the usual pharmaceutical carrier
substances, auxiliary substances, diluents or
fillers.
9. Pharmaceutical composition as claimed in claim 8
for the treatment or prevention of damage to bone,
cartilage, connective tissues, skin, mucous
membranes, epithelium or teeth, for application in
dental implants and for application in wound-
healing and tissue regeneration processes.

65 FEB 10 1986

